

Form PTO-1449
(REV. 8-83)U.S. Dept. of Commerce
PATENT & TRADEMARK OFFICEATTY DOCKET NO.
111009APPLICATION NO.
New U.S. Patent Application

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANTS

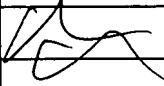
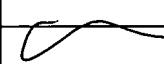
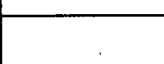
Hikaru KAGA; Seiji SHIMIZU; Tsuyoshi SUZUKI; Katsunori NISHIDA;
Takamasa USUI

FILING DATE

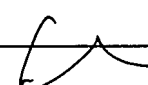
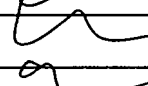


November 14, 2001

U.S. PTO
09/98740
11/14/01

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
	1	4,463,362	07-31-1984	Thomas	—	—
	2	4,575,738	03-11-1986	Sheufelt et al.	—	—
	3	5,408,257	04-18-1995	Hiramatsu et al.	—	—

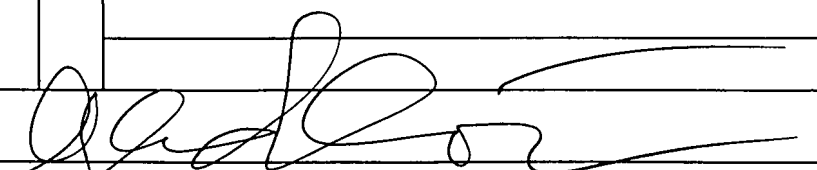
FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
	4	JP 57-175912 A (w/abstract)	10-29-1982	Japan	—	—
	5	JP 59-73953 A (w/abstract)	04-26-1984	Japan	—	—
	6	JP 63-44064 B2 (w/extracted trans)	09-02-1988	Japan	—	—
	7	JP 2887605 B2 (w/abstract)	02-19-1999	Japan	—	—

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

EXAMINER

DATE CONSIDERED

Examiner:  Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

8/2/03